

Title (en)

Multipath detector using phase comparison of stereo pilot signal.

Title (de)

Mehrwegeempfangsdetektor mit Phasenvergleichung des Stereopilotsignales.

Title (fr)

Détecteur de transmission par chemins multiples avec comparaison de phase du signal pilote stéréo.

Publication

EP 0565255 A1 19931013

Application

EP 93302092 A 19930318

Priority

US 86399692 A 19920406

Abstract (en)

A frequency modulation (FM) stereo broadcast receiver detects the onset of multipath interference based on phase changes in the received stereo pilot signal. In a preferred embodiment, the phase of the received pilot signal is compared to the phase of a regenerated pilot from a phase-locked loop in a stereo decoder circuit (22). The severity of a multipath event is determined by the phase shift detected at the onset of the multipath event.
<IMAGE>

IPC 1-7

H03G 3/34; **H04B 1/10**

IPC 8 full level

H03G 3/34 (2006.01); **H04B 1/10** (2006.01); **H04B 1/16** (2006.01)

CPC (source: EP US)

H03G 3/34 (2013.01 - EP US); **H04B 1/1027** (2013.01 - EP US); **H04B 1/1081** (2013.01 - EP US); **H04B 1/1661** (2013.01 - EP US);
H04B 2001/1054 (2013.01 - EP US)

Citation (search report)

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- [A] EP 0056464 A2 19820728 - SANYO ELECTRIC CO [JP], et al
- [A] EP 0477460 A2 19920401 - PIONEER ELECTRONIC CORP [JP]

Cited by

EP1100208A1; EP0663732A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0565255 A1 19931013; **EP 0565255 B1 19980722**; DE 69319777 D1 19980827; DE 69319777 T2 19981203; US 5408685 A 19950418

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